

Amendments to the Specification:

The following paragraphs are amended to reflect the element number changes to the drawings.

[0020] FIG. 3 is a top view of the same equipment as FIG. 2. Material enters a recycling apparatus by a conveyor (~~301~~) 201 as in step 101 of FIG. 1; is deposited on the uppermost region of the screen (~~302~~) 202; is spread uniformly over the screen using a v-shaped metal separator welded onto the screen 12 inches from the deposit location. Separation occurs as the material moves longitudinally across the vibrating mesh screen surface which has been set at a size of 2.5 inches. The angle of the system design is optional and depends on design flow rate. Fraction 1, the less than 2.5 inch portion, is carried to the second classification by a conveyor (~~305~~) 205. Fraction 2, the greater than 2.5 inch portion, is returned to a single stream sorting system or discarded by conveyor (~~306~~) 206 and (C4) of step (107), not shown.

[0021] FIG. 4 is a side elevation, figuratively, of the second classification occurring on a second vibrating screen system (412) as in step 112. The screening system is designed to classify the less than 2.5 inch (NSF) compressed recyclable material, designated Fraction 1, into a qualifying fraction of sub-0.25 inch NSF Glass, Fraction 4, and a qualifying fraction of +0.25 inch to 2.5 inch portion requiring further classification, Fraction 3. The material enters the invention by a conveyor (~~410~~) 205; is deposited on the uppermost region of the screen (412) and spread uniformly over the screen using a v-shaped metal separator welded onto the screen 12 inches from the deposit location as in step (111). Separation occurs as the material moves longitudinally across the vibrating mesh screen surface (412). The angle of the system design is optional and depends on design flow rate. Fraction 4, sub-0.25 inch NSF, is deposited in a bin or carried to a

bin by an optional conveyor (414).

[0022] FIG. 5 is a top view, figuratively, of the second classification occurring on a second vibrating screen system (~~512~~) 412 as in step 112. Step (131), occurring at point (531), is a point of novelty in using an adjustable positive pressure air separation means from below and an adjustable "negative" pressure air from above to separate a light portion (~~530~~) 432 from a heavy portion (533).

[0023] FIG. 6 shows schematically, a second pneumatic separation system performing step (132). The system (600) is designed to separate lightweight, non-glass material from the +{fraction (1/4)} inch to -2.5 inch stream at the lowermost position of the second screen (~~532~~) 412 feeding into (~~632~~) 432. Light, typically paper and waste material is pushed upward off the screening system by positive air pressure and then removed by suction created by a cyclone (642), drop box and rotary airlock air system (640). The heavier portion, having some value, is conveyed (645) to a bin for additional classification or is discarded. The lighter portion (650) is conveyed to the waste area. The lighter portion is typically waste and Styrofoam packing material and small bits of paper; the heavier "light fraction" is typically plastic caps and larger pieces of paper. The unusual combination of the cyclone and drop box facilitates the separation of the waste portion from the marketable portion; this separation is enabled by the first pneumatic separation done at the previous step.